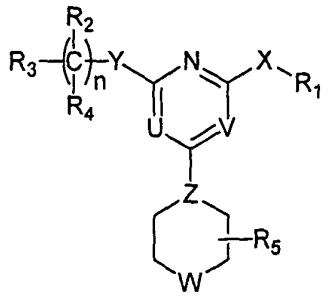
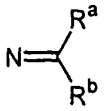
ABSTRACT

This invention features pyrimidine compounds of formula (I):



(I).

R_1 is  , aryl, or heteroaryl; each of R_2 and R_4, independently, is R^c, halogen, nitro, cyano, isothionitro, SR^c, or OR^c; or R_2 and R_4, taken together, is carbonyl; R_3 is R^c, alkenyl, alkynyl, OR^c, $OC(O)R^c$, SO_2R^c, $S(O)R^c$, $S(O_2)NR^cR^d$, SR^c, NR^cR^d, NR^cCOR^d, $NR^cC(O)OR^d$, $NR^cC(O)NR^cR^d$, $NR^cSO_2R^d$, COR^c, $C(O)OR^c$, or $C(O)NR^cR^d$; R_5 is H or alkyl; n is 0, 1, 2, 3, 4, 5, or 6; X is O, S, S(O), $S(O_2)$, or NR^c; Y is a covalent bond, CH_2, C(O), C=N-R^c, C=N-OR^c, C=N-SR^c, O, S, S(O), $S(O_2)$, or NR^c; Z is N or CH; one of U and V is N, and the other is CR^c; and W is O, S, S(O), $S(O_2)$, NR^c, or $NC(O)R^c$; in which each of R^a and R^b, independently, is H, alkyl, aryl, heteroaryl; and each of R^c and R^d, independently, is H, alkyl, aryl, heteroaryl, cyclyl, heterocyclyl, or alkylcarbonyl.